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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREG no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search fields  
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 32 Nov 25 More calculated properties added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003

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NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
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NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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=> fil reg

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STRUCTURE FILE UPDATES: 2 FEB 2003 HIGHEST RN 484639-64-7  
DICTIONARY FILE UPDATES: 2 FEB 2003 HIGHEST RN 484639-64-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 10026963.str

L1 STRUCTURE UPLOADED

O=C1C=CC(=C1)NCC(=O)NCC(=O)N2C=CC(=C2)NCC3=CC=CC=C3

L2 1 SEA SSS SAM L1

L3                      20 SEA SSS FUL L1

10026963

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FILE COVERS 1907 - 3 Feb 2003 VOL 138 ISS 6  
FILE LAST UPDATED: 2 Feb 2003 (20030202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3 full

L4 2 L3

=> d l4 1-2 ibib abs hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:615567 CAPLUS

DOCUMENT NUMBER: 137:169795

TITLE: Preparation of polyamide analogs as antibacterial, antifungal, and antiparasitic agents

INVENTOR(S): Velligan, Mark D.; Khorlin, Alexander; Dyatkina, Natalia B.; Shi, Dong-Fang; Botyanszki, Janos; Liehr, Sebastian

PATENT ASSIGNEE(S): Genelab Technologies, Inc., USA

SOURCE: PCT Int. Appl., 119 pp.

CODEN: PIXXD2

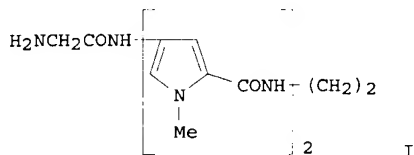
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002062755	A2	20020815	WO 2001-US45873	20011227
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2002198254	A1	20021226	US 2001-26963	20011227
PRIORITY APPLN. INFO.:			US 2000-258842P	P 20001227
OTHER SOURCE(S):	MARPAT 137:169795			
GI				



AB Compds.  $R_1NH-Ar_1-CO(NH-Ar_2-CO)nNH-L-NH(CO-Ar_3-NH)mCO-Ar_4-NHR_2$  [ $R_1, R_2 = H$ , alkyl, (un)substituted alkanoyl or carbamoyl, at least one of which can form a salt;  $m, n = 0-4$ ;  $Ar_1-Ar_4 =$  optionally substituted (hetero)arylene;  $L =$  alkylene which may be substituted by  $CONHR_4$ ,  $CONHNHR_6$ ,  $NHR_9$  ( $R_4, R_6, R_9 = H$ , alkyl, aryl, etc.), or a guanidino group or  $L =$  (alkylene) $x-Z-(alkylene)y-(Za)z$ , where  $x, y$ , and  $z = 0-2$  and  $Z$  and  $Za =$  phenylene, cycloalkylene optionally fused to one or two phenylene ring(s), heterocyclene,  $O, S, NR_{10}$  ( $R_{10} = H$ , alkyl, cycloalkylamino, etc.),  $CONH$  or  $NHCO$ , provided that when  $Z$  and/or  $Za$  is  $NR_{10}$ , it is sepd. from another nitrogen atom by at least two carbon atoms] or their pharmaceutically-acceptable salts were prepd. as novel antibacterial/antifungal/antiparasitic agents. Thus, compd I was prepd. by a multistep sequence involving coupling reactions of Me 4-amino-1-methyl-1H-pyrrole-2-carboxylate, N-(tert-butoxycarbonyl)glycine pentafluorophenyl ester, and ethylenediamine. Compd I showed min. inhibitory concn. values  $>45.5$  against various bacterial strains.

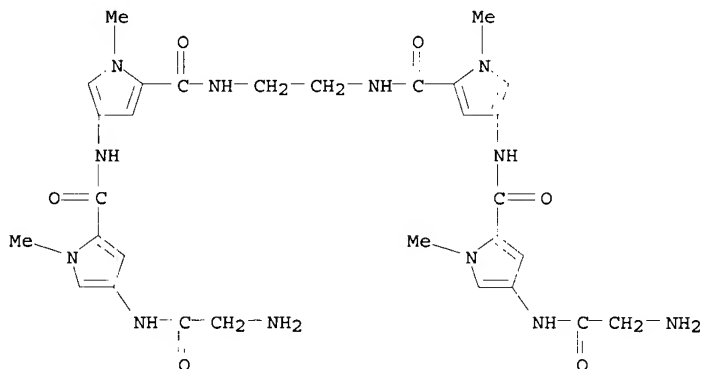
IT 446881-90-9P 446882-00-4P 446882-02-6P  
446882-03-7P 446882-11-7P 446882-24-2P  
446883-26-7P 446883-27-8P 446883-31-4P  
446883-34-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of polyamide analogs as antibacterial, antifungal, and antiparasitic agents)

RN 446881-90-9 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[[[4-[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-(9CI) (CA INDEX NAME)



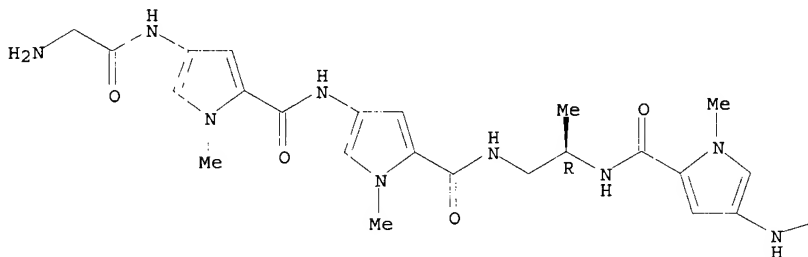
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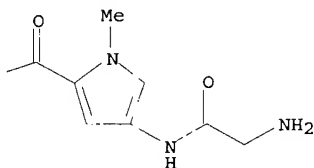
CN 1H-Pyrrole-2-carboxamide, N,N'-[(1R)-1-methyl-1,2-ethanediyl]bis[4-[[4-  
[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



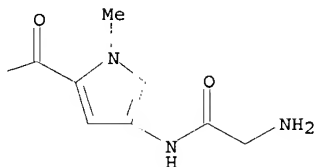
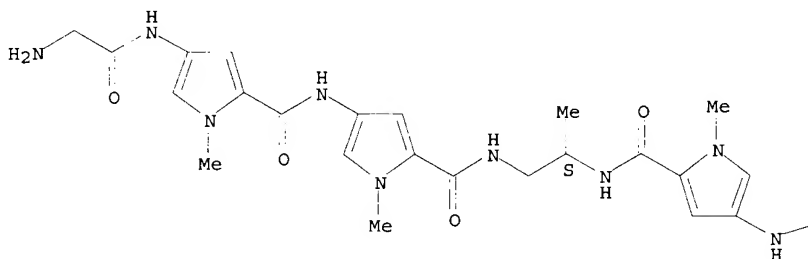
PAGE 1-B



RN 446882-02-6 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-[(1S)-1-methyl-1,2-ethanediyl]bis[4-[[4-  
[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-  
(9CI) (CA INDEX NAME)

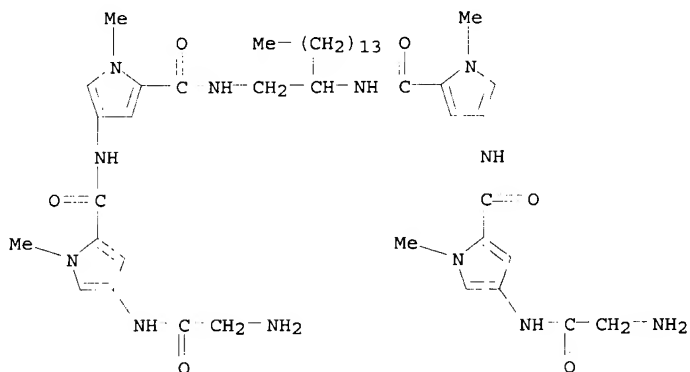
Absolute stereochemistry.



RN 446882-03-7 CAPLUS

CN 1H-Pyrrole-2-carboxamide, 4-[[[4-[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-N-[2-[[[4-[[[4-[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]hexadecyl]-1-methyl- (9CI) (CA INDEX NAME)

10026963

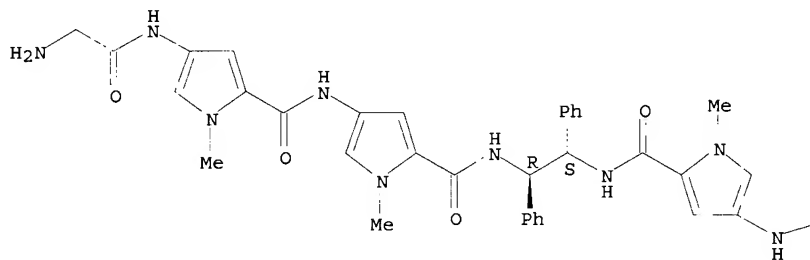


RN 446882-11-7 CAPLUS

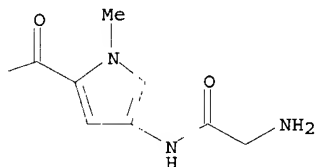
CN 1H-Pyrrole-2-carboxamide, N,N'-[(1R,2S)-1,2-diphenyl-1,2-ethanediyl]bis[4-  
[[4-[(aminoacetyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-  
, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



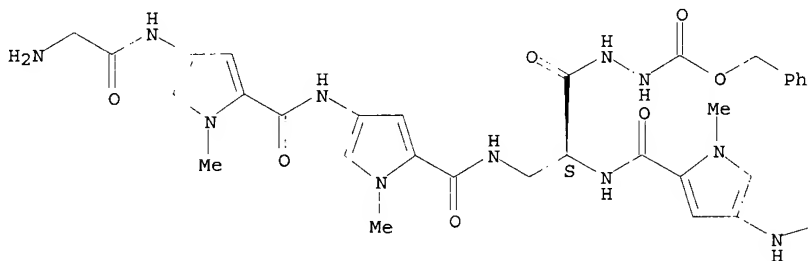


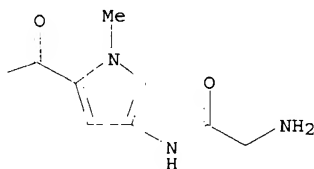


RN 446882-24-2 CAPLUS

CN L-Alanine, glycy-4-amino-1-methyl-1H-pyrrole-2-carboxyl-4-amino-1-methyl-1H-pyrrole-2-carboxyl-3-[(glycyl-4-amino-1-methyl-1H-pyrrole-2-carboxyl-4-amino-1-methyl-1H-pyrrole-2-carboxyl)amino]-, 2-[(phenylmethoxy)carbonyl]hydrazide (9CI) (CA INDEX NAME)

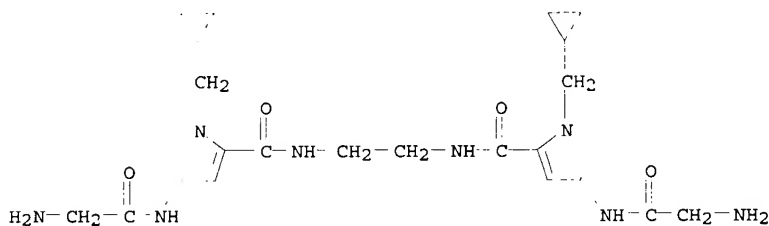
Absolute stereochemistry.





RN 446883-26-7 CAPLUS

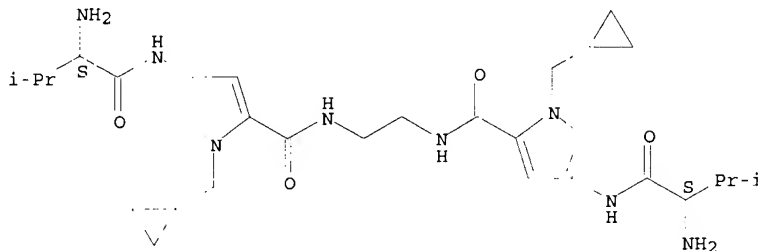
CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[(aminoacetyl)amino]-1-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)



RN 446883-27-8 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[[[(2S)-2-amino-3-methyl-1-oxobutyl]amino]-1-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



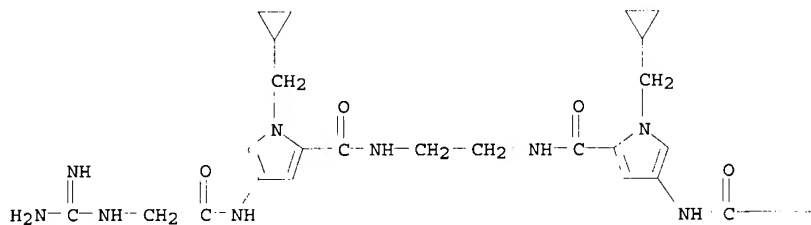
RN 446883-31-4 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[[[(aminoiminomethyl)amino]acetyl]amino]-1-(cyclopropylmethyl)- (9CI) (CA

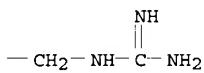
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INDEX NAME)

PAGE 1-A



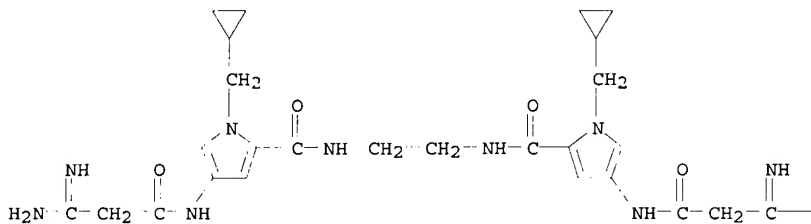
PAGE 1-B



RN 446883-34-7 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[(3-amino-3-imino-1-oxopropyl)amino]-1-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



NH<sub>2</sub>

IT 446883-23-4P 446883-32-5P 446883-33-6P

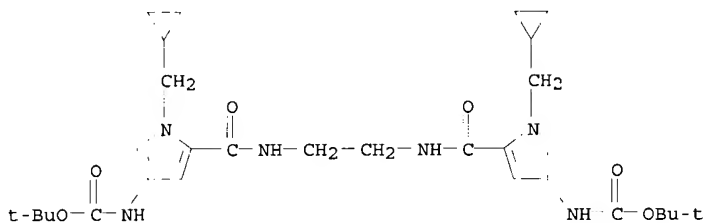
446883-46-1P 446883-52-9P 446883-53-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of polyamide analogs as antibacterial, antifungal, and antiparasitic agents)

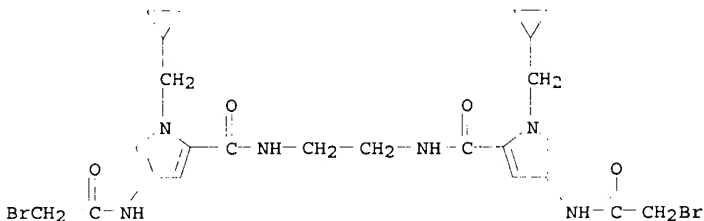
RN 446883-23-4 CAPLUS

CN Carbamic acid, [1,2-ethanediylbis[iminocarbonyl[1-(cyclopropylmethyl)-1H-pyrrole-2,4-diyl]]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



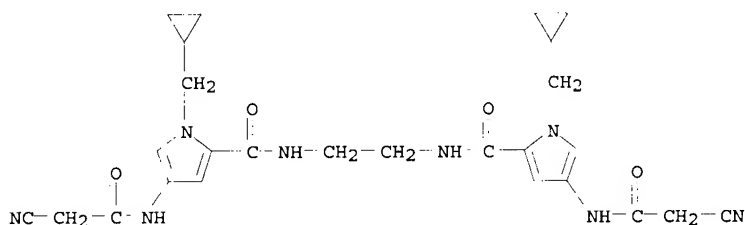
RN 446883-32-5 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[(bromoacetyl)amino]-1-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)



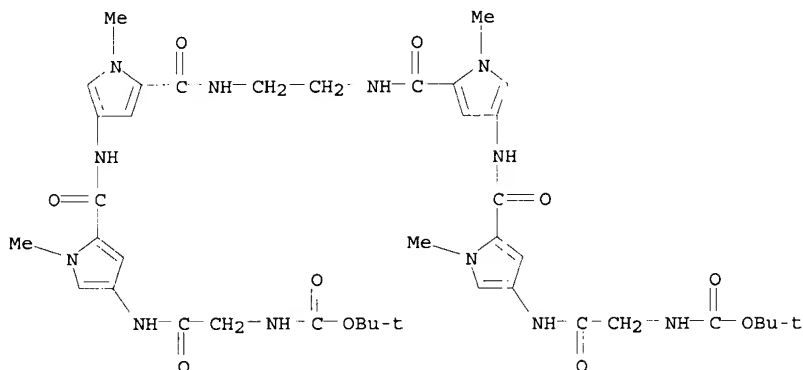
RN 446883-33-6 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N,N'-1,2-ethanediylbis[4-[(cyanoacetyl)amino]-1-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)



RN 446883-46-1 CAPLUS

CN Carbamic acid, [1,2-ethanediylbis[iminocarbonyl(1-methyl-1H-pyrrole-2,4-diyl)imino(2-oxo-2,1-ethanediyl)]]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

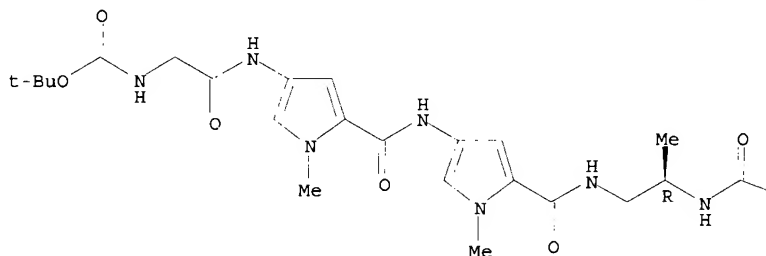


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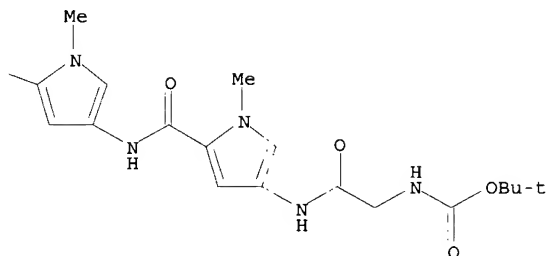
CN Carbamic acid, [2-[[[5-[[[5-[[[(1R)-2-[[[4-[[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]acetyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methylethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

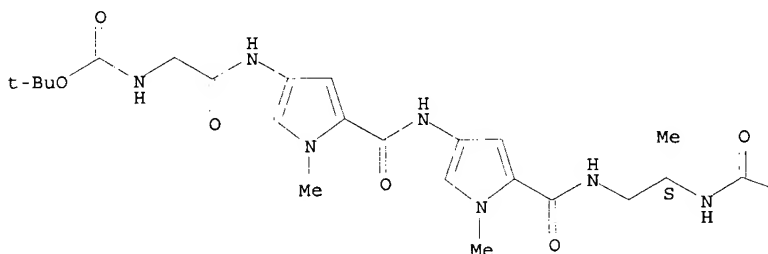


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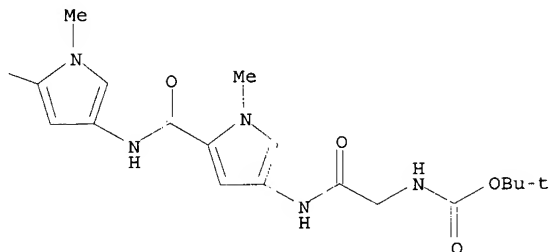
CN Carbamic acid, [2-[[[5-[[[5-[[[(1S)-2-[[[4-[[[4-[[[(1,1-dimethylethoxy) carbonyl] amino] acetyl] amino]-1-methyl-1H-pyrrol-2-yl] carbonyl] amino]-1-methyl-1H-pyrrol-2-yl] carbonyl] amino]-1-methylethyl] amino] carbonyl]-1-methyl-1H-pyrrol-3-yl] amino] carbonyl]-1-methyl-1H-pyrrol-3-yl] amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:531393 CAPLUS

DOCUMENT NUMBER: 115:131393

TITLE: Preparation of bifunctional molecules having a DNA intercalator or DNA groove binder linked to EDTA for cleaving double-stranded DNA

INVENTOR(S): Dervan, Peter B.; Hertzberg, Robert P.

PATENT ASSIGNEE(S): California Institute of Technology, USA

SOURCE: U.S., 59 pp. Cont.-in-part of U.S. 4,665,184.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4942227	A	19900717	US 1987-6442	19870123
US 4665184	A	19870512	US 1986-860604	19860507

## PRIORITY APPLN. INFO.:

US 1982-338327	19820111
US 1983-540914	19831012
US 1986-860604	19860507
US 1982-338332	19820111

## OTHER SOURCE(S):

MARPAT 115:131393

AB Bifunctional mols., e.g. tri-, tetra-, penta-, and hexa-N-methylpyrrolicarboxamide-EDTA, bis(EDTA-distamycin), etc., are prep'd. by reacting a DNA intercalator (p-carboxymethidium, etc.) or DNA groove binder (netropsin, distamycin, etc.) with 1,3-diaminopropane followed by condensation with EDTA. These mols. are used for cleaving single- or double-stranded DNA in the presence of Fe(II) and O with sequence specificity which is either similar to or not available with naturally occurring restriction enzymes. Thus, bis(EDTA-distamycin)phenoxazone was prep'd. by using 3-benzyloxy-4-methyl-2-nitrobenzoic acid and 4-nitro-tri-N-methylpyrrole-2-carboxylic acid as starting materials, and showed 100% cleavage of plasmid pBR322 DNA at  $1.0 \times 10^{-10}$  M in the presence of Fe(II), O, and dithiothreitol.

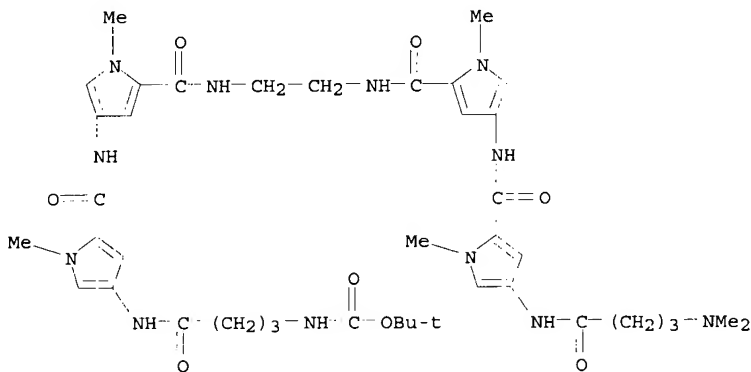
IT 134985-54-9P 134985-60-7P 134985-68-5P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. and reaction of, in prep'n. of bifunctional mols. having a DNA intercalator or DNA groove binder linked to EDTA for specific DNA cleavage)

RN 134985-54-9 CAPLUS

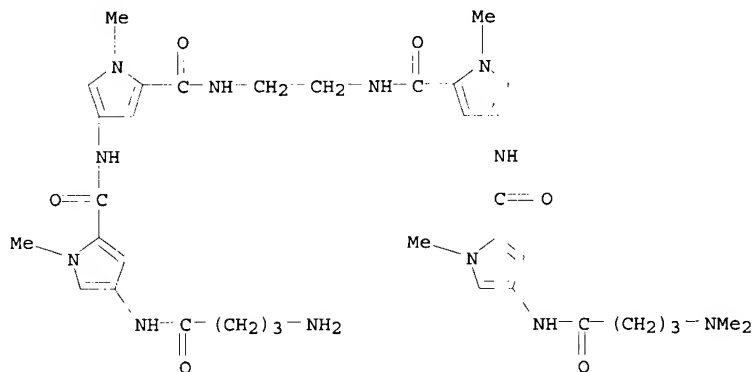
CN Carbamic acid, 4-[[[5-[[[2-[[[4-[[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]-4-oxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 134985-60-7 CAPLUS

CN 1H-Pyrrole-2-carboxamide, 4-[[[4-[[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-N-[2-[[[4-[[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]ethyl]-1-methyl- (9CI) (CA INDEX NAME)

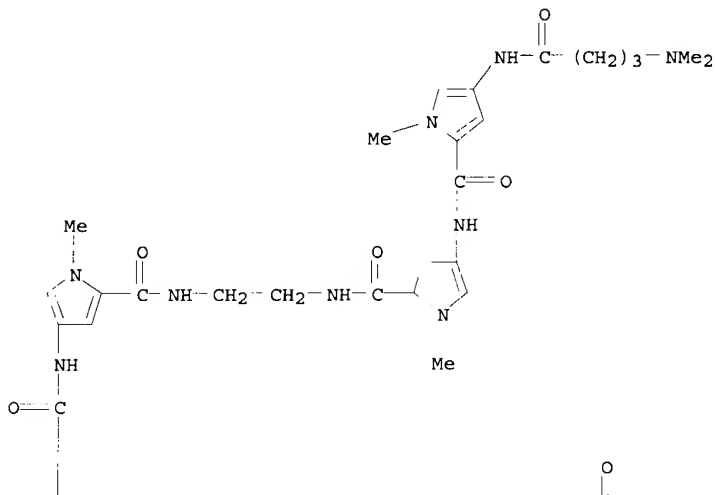


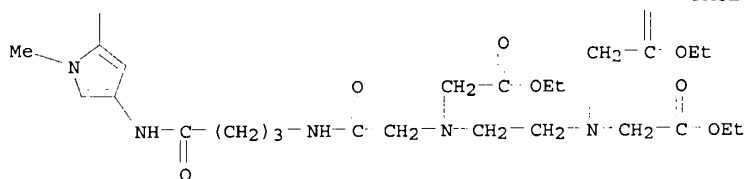


RN 134985-68-5 CAPLUS

CN Glycine, N-[2-[bis(2-ethoxy-2-oxoethyl)amino]ethyl]-N-[2-[[4-[[5-[[5-[[[2-[[[4-[[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]-4-oxobutyl]amino]-2-oxoethyl]-, ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



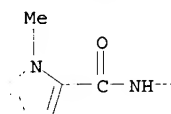


IT 134985-76-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, for specific DNA cleavage)

RN 134985-76-5 CAPLUS

CN Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-[2-[[4-[[5-[[[5-[[[2-[[[4-[[4-[[4-(dimethylamino)-1-oxobutyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]-4-oxobutyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)



NH

 $\text{O}=\text{C}$ 